Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

DBR No 28/17-18
DATED 30/6/17

No: 1st and Final Bill Date.....2016

Division: **Project** Sub-Division: **Project**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Work Code: 009-17-000058**

Schedule Docket No. Head of Account: **P2178 (BBMP Grant)** Est.Cost: **10.00 Lacs**

Name of Work: **Drilling of borewell and and fixing of pipelines at Narasipura kere Park in Ward No.09**
Name of Contractor and Full Address: **M/s KRIDL**
Reference to Agreement No.**10/2017-18** Date: **26-05-2017**

Certified that the measurements were taken by me on 30/6/17 and recorded of Pages 17577 to 17590 of measurement Book No. 01/17/18 and that the work is satisfactorily executed.

Contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Officer-in-charge of work

Certified that the measurement were taken by me on 30/6/2017 and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	I & Final	9,80,396	-
2) Deduct amount to be held in reserve being .....percent Rs.....	2% IT:	19,608	-
3) " Balance	4% VAT	39,216	-
4) Deduct Payment:	5% FSD	49,020	-
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	1% CESS	9,804	-
b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	0.1% CBF	980	-
5) Balance being unpaid value of work done held in reserve.	T/D	1,18,628	-
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.			
7) Net amount due to or from Contractor unadjustments items.	Payable	8,61,768	-
8) Advance to Contractor for materials brought to site (as detailed) within.			
9) Value of Government materials supplied.			
Total amount adjusted -			

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

(For use in the Office)

Witness
1.
2.

Stamp

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Audited & Admitted for Rs. 9,80,396/-
8,61,768/- by Cheque
and Rs. 1,18,628/- by Adjustment

Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Executive Engineer

Accts. Supdt.
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P

Sl No	Item Name	U
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and as per the direction of Engineer-in-charge	
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) and as per the direction of Engineer-in-charge	
	0 to 50 m	
	50 to 100 m	
	100 to 150 m	
	150 to 200 m	
3	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) **and as per the direction of Engineer-in-charge**	Rmtr
4	Providing 250mm dia PVC Pipe **and as per the direction of Engineer-in-charge**	Rmtr
5	Providing 175mm dia ms casing cap **and as per the direction of Engineer-in-charge**	no
6	Providing MS Casing pipe collars **and as per the direction of Engineer-in-charge**	
7	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / **Atalanta**/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings. and as per the direction of Engineer-in-charge	NO
8	Providing and fixing to wall celling and floor glavanised/ mild steel tubes (medium grade 1.27 kg /mt) B class **50 mm dia** nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. **and as per the direction of Engineer-in-charge**	Mtr
9	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and Powder coated extrued PVC sheathed suitable for working voltage upto 1100 Volts as per IS - 694 ; 1990 AND CONFORMING TO gtp OFGROUP A P. No. 12/ I No. (2.10.4) 3cx 6.0 Sqm **and as per the direction of Engineer-in-charge**	Mtr
10	Labour charges for erection of new/ repaired submersible pumpset along with gi pipes inculding transportion each length **and as per the direction of Engineer-in-charge**	NO
11	Supplying and flush polished wood board with out front frount plank made of not less than 15mm thick plank after due groove cutting Finishing with necessary on **fixing the same to the wall using tapered** inverted wooden plugs screws etc., **and as per the direction of Engineer-in-charge**	Each
12	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp confirming IS 3975;1990 AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group. **and as per the direction of Engineer-in-charge**	Mtr
13	Labour charges for laying of 1.1 K.V class UG cable, **P No. 61 / I No. 7.8.1 In existing trencg/duct 6Sqmm to 16 Sqmm) and as per the direction of Engineer-in-charge**	Mtr
14	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete **and as per the direction of Engineer-in-charge**	Mtr

Previous Measurements		Present Measurements			Total Up to Date		Remarks
Qty	Amount	Qty	Rate	Amount	Qty	Amount	
-	-	1.00	1938.46	1938.46	1.00	1938.46	
-	-						
-	-	50.00	315.18	15759	50.00	15759	
-	-	50.00	412.00	20600	50.00	20600	
-	-	50.00	458.35	22917.50	50.00	22917.50	
-	-	48.00	484.10	23236.80	48.00	23236.80	
-	-	42.00	1325.00	55650	42	55650	
-	-	15.00	1064.00	15960	15.00	15960	
-	-	1.00	103.00	103	1.00	103.00	
-	-	8.00	154.50	1236	8.00	1236	
-	-	1.00	50100.00	50100	1.00	50100	
		159	540.60	85955	159	85955	
-	-	359	188.70	67743	359	67743	
-	-	21	88.00	2376	27	2376	
		1.00	302.00	302	1.00	302.00	
-	-	35	140.40	4914	35	4914	
-	-	35	10.80	378	35	378	
		30	117.00	3510	30	3510	

Sl No	Item Name	Un
15	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class **and as per the direction of Engineer-in-charge**	Mtr
16	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., and as per the direction of Engineer-in-charge	NO
17	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, **and as per the direction of Engineer-in-charge**	NO
18	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... **and as per the direction of Engineer-in-charge**	Each
19	Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., complete.... and as per the direction of Engineer-in-charge	Each
20	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 32 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications **and as per the direction of Engineer-in-charge**	Each
21	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 **and as per the direction of Engineer-in-charge**	Sq.Cm
22	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and as per the direction of Engineer-in-charge	NOS
23	Gate value 50 mm nominal bore gun metal **and as per the direction of Engineer-in-charge**	NOS
24	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel-board shall be fabricated on single unit in the above components for suitable pumpset. **and as per the direction of Engineer-in-charge**	NO
25	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications and as per the direction of Engineer-in-charge	Per Cmtr
26	Providing and installing at site of work pvc pipes including cost of pipes and special and labour including lowering into trenches laying true to line level and prefect linking at joints, leak proof including jointing of approved type with all labour and lift charges handling charges including encasing the pipes all round to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete PVC pipe of 6kg/cm2 63 mm (0.662) **(Page no.15, Item No.3.4.2)**	Per Rmtr
27	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications and as per the direction of Engineer-in-charge	Per Cmtr

Previous Measurements		Present Measurements			Total Up to Date		Remarks
Qty	Amount	Qty	Rate	Amount	Qty	Amount	
-	-	3.00	345.00	1035	3.00	1035	
-	-	1.00	280.00	280	1.00	280	
-	-	1.00	2727.00	2727	1.00	2727	
		3.00	360.00	1080	3.00	1080	
		6.00	86.00	516	6.00	516.00	
-	-	1.00	1547.00	1547	1.00	1547	
		23400	0.33	7722	23400	7722	
-	-	1.00	1585.76	1585.76	1.00	1585.76	
		1.00	1650.00	1650	1.00	1650.00	
		1.00	10000.00	10000.00	1.00	10000.00	
		859.05	166.42	142963	859.05	142962	
		1693	115.36	195304	1693	195304	
		859.05	95.40	81953	859.05	81953.00	

Sl No	Item Name	
28	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. and as per the direction of Engineer-in-charge	Each
29	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 20mm nominal OD pipes and as per the direction of Engineer-in-charge	Per Rmtr
30	STOP COCK **and as per the direction of Engineer-in-charge**	NOS
31	RCC NP2 900 MM DIA INCULDING COLLAR **and as per the direction of Engineer-in-charge**	RMT
	TOTAL	
	KRIDL Charges 9%	
	BESCOM Deposit	
	Grand Total	

Certificate:

1) Certified that Work has been done Satisfactorily

2) Certified that work comes under BBMP Limit

Previous Measurements		Present Measurements			Total Up to Date		Remarks
Qty	Amount	Qty	Rate	Amount	Qty	Amount	
		4.00	2175.12	8700	4.00	8700	
		360	128.75	46350	360	46350	
		24	125.00	3000	24	3000	
		6.00	2750.00	16500	6.00	16500	
				895593		895593.00	
				806034		806034	
				4200.00		4200.00	
				980397.00		980397.00	

JE.

Rs. 9,80,397/-